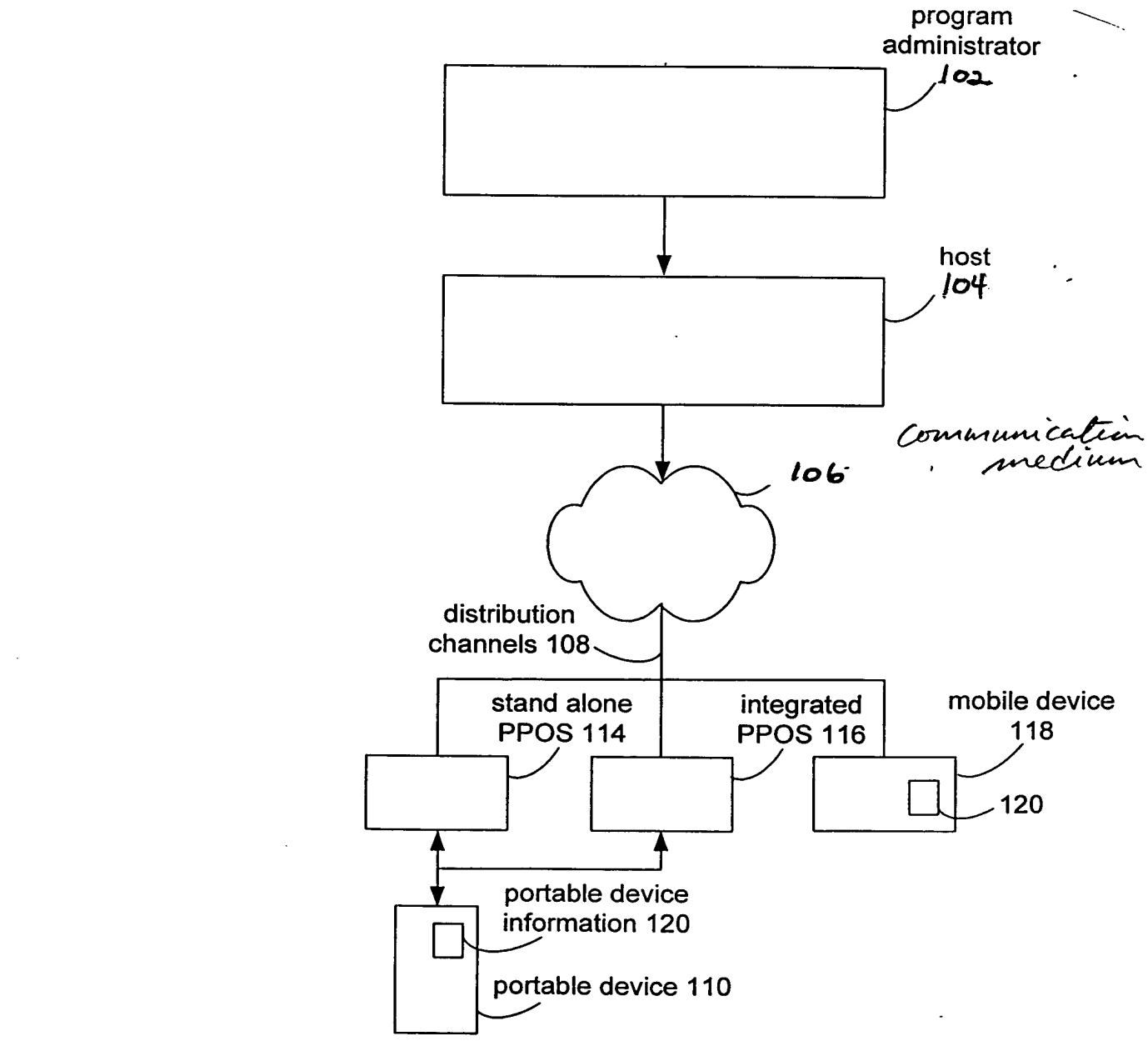

100
program administrator
102
host
104
communication medium
106
distribution channels 108
stand alone PPOS 114
integrated PPOS 116
mobile device 118
120
portable device information 120
portable device 110

FIG. 1

Figure 2

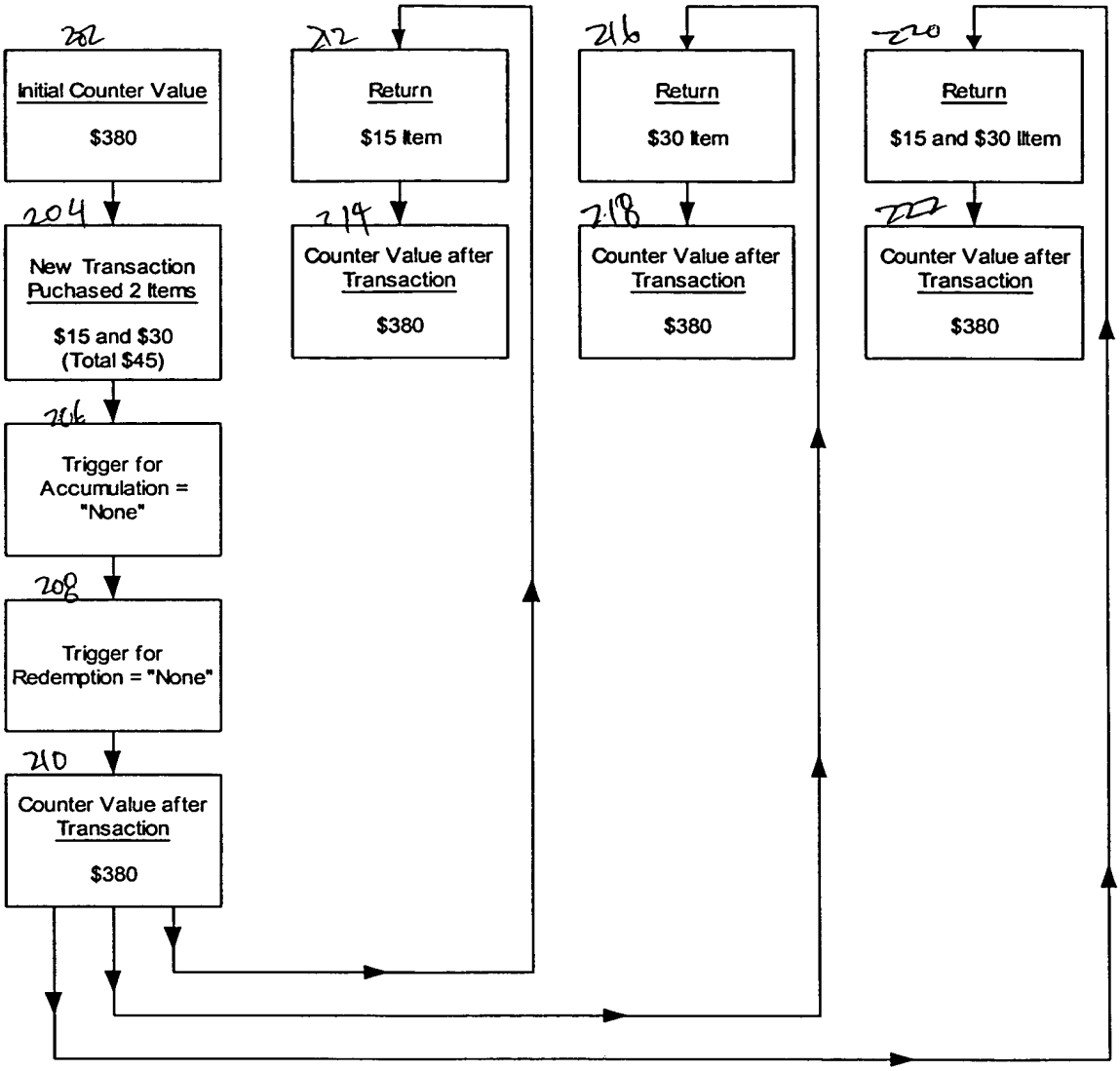

202
Initial Counter Value
$380
204
New Transaction
Puchased 2 Items
$15 and $30
(Total $45)
206
Trigger for
Accumulation =
"None"
208
Trigger for
Redemption = "None"
210
Counter Value after
Transaction
$380
212
Return
$15 Item
214
Counter Value after
Transaction
$380
216
Return
$30 Item
218
Counter Value after
Transaction
$380
220
Return
$15 and $30 Item
222
Counter Value after
Transaction
$380

Figure 3

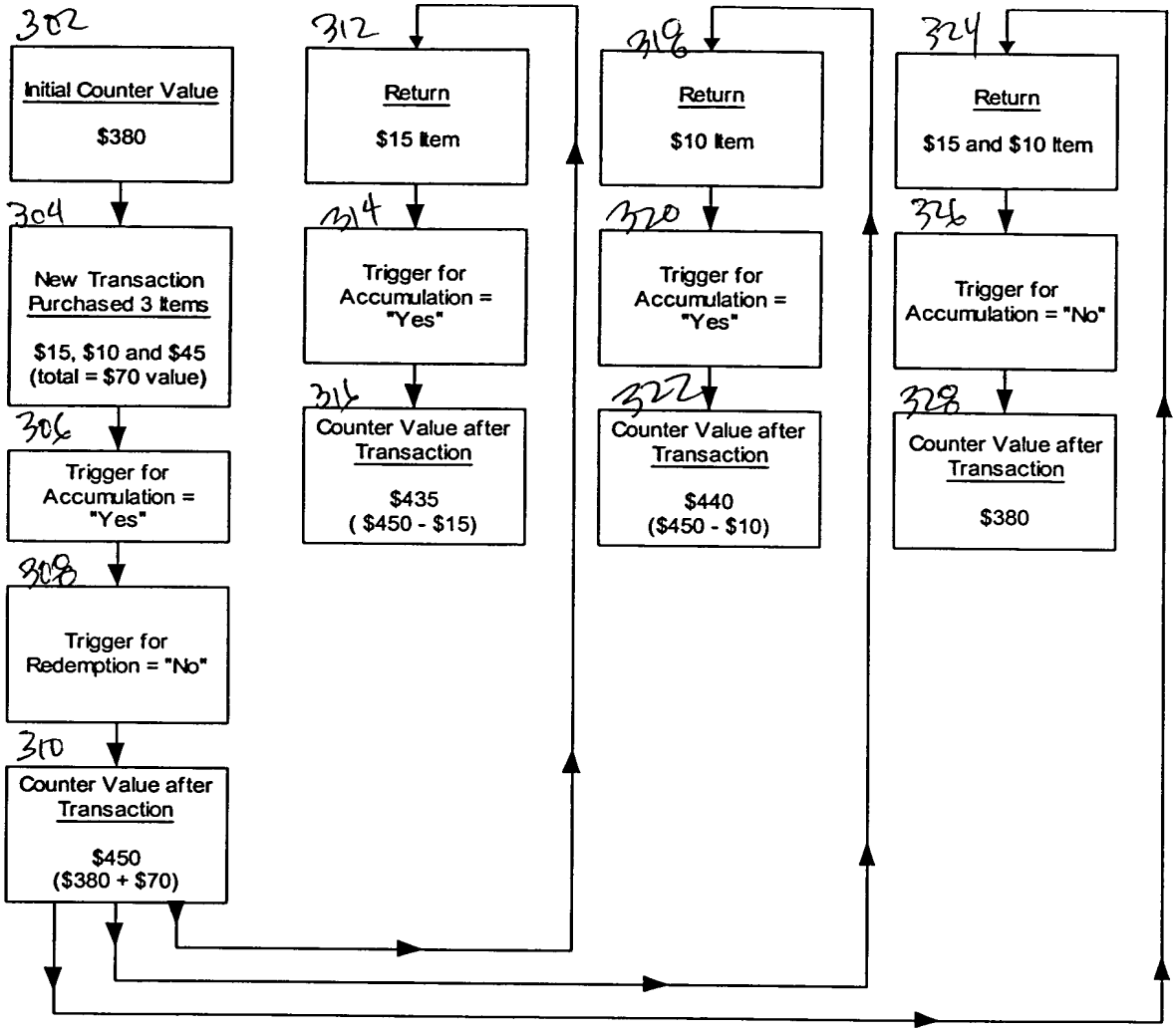
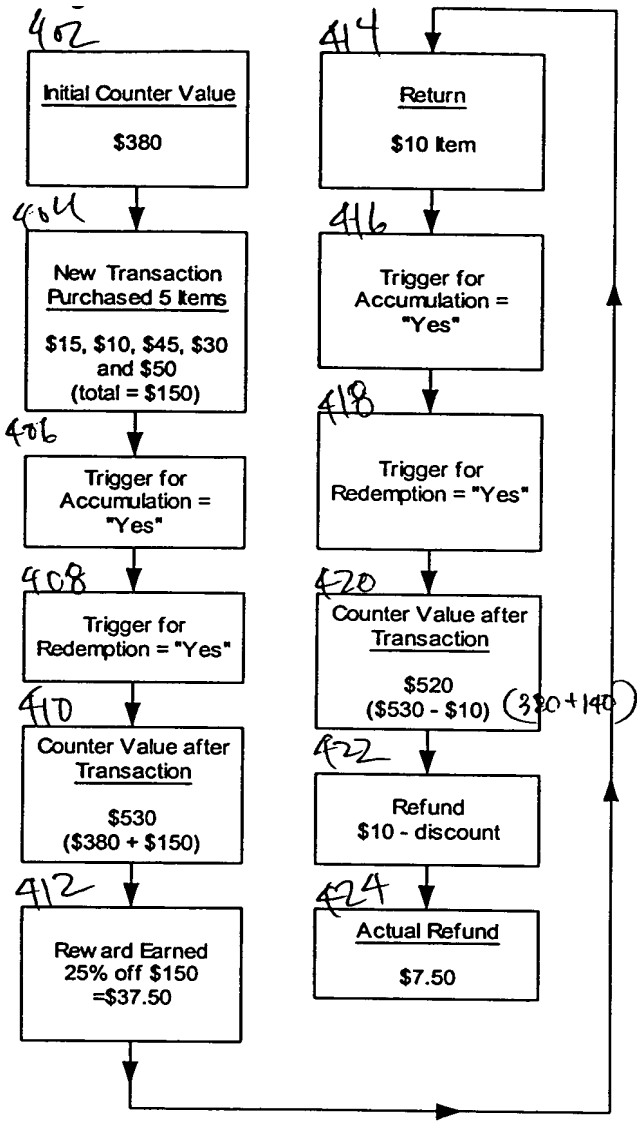

302
Initial Counter Value
$380
304
New Transaction
Purchased 3 Items
$15, $10 and $45
(total = $70 value)
306
Trigger for
Accumulation =
"Yes"
308
Trigger for
Redemption = "No"
310
Counter Value after
Transaction
$450
($380 + $70)
312
Return
$15 Item
314
Trigger for
Accumulation =
"Yes"
316
Counter Value after
Transaction
$435
($450 - $15)
316
Return
$10 Item
320
Trigger for
Accumulation =
"Yes"
322
Counter Value after
Transaction
$440
($450 - $10)
324
Return
$15 and $10 Item
326
Trigger for
Accumulation = "No"
328
Counter Value after
Transaction
$380

Figure 4


402
Initial Counter Value
$380
404
New Transaction
Purchased 5 Items
$15, $10, $45, $30 and $50
(total = $150)
406
Trigger for Accumulation = "Yes"
408
Trigger for Redemption = "Yes"
410
Counter Value after Transaction
$530
($380 + $150)
412
Reward Earned
25% off $150
=$37.50
414
Return
$10 Item
416
Trigger for Accumulation = "Yes"
418
Trigger for Redemption = "Yes"
420
Counter Value after Transaction
$520
($530 - $10)
422
Refund
$10 - discount
424
Actual Refund
$7.50

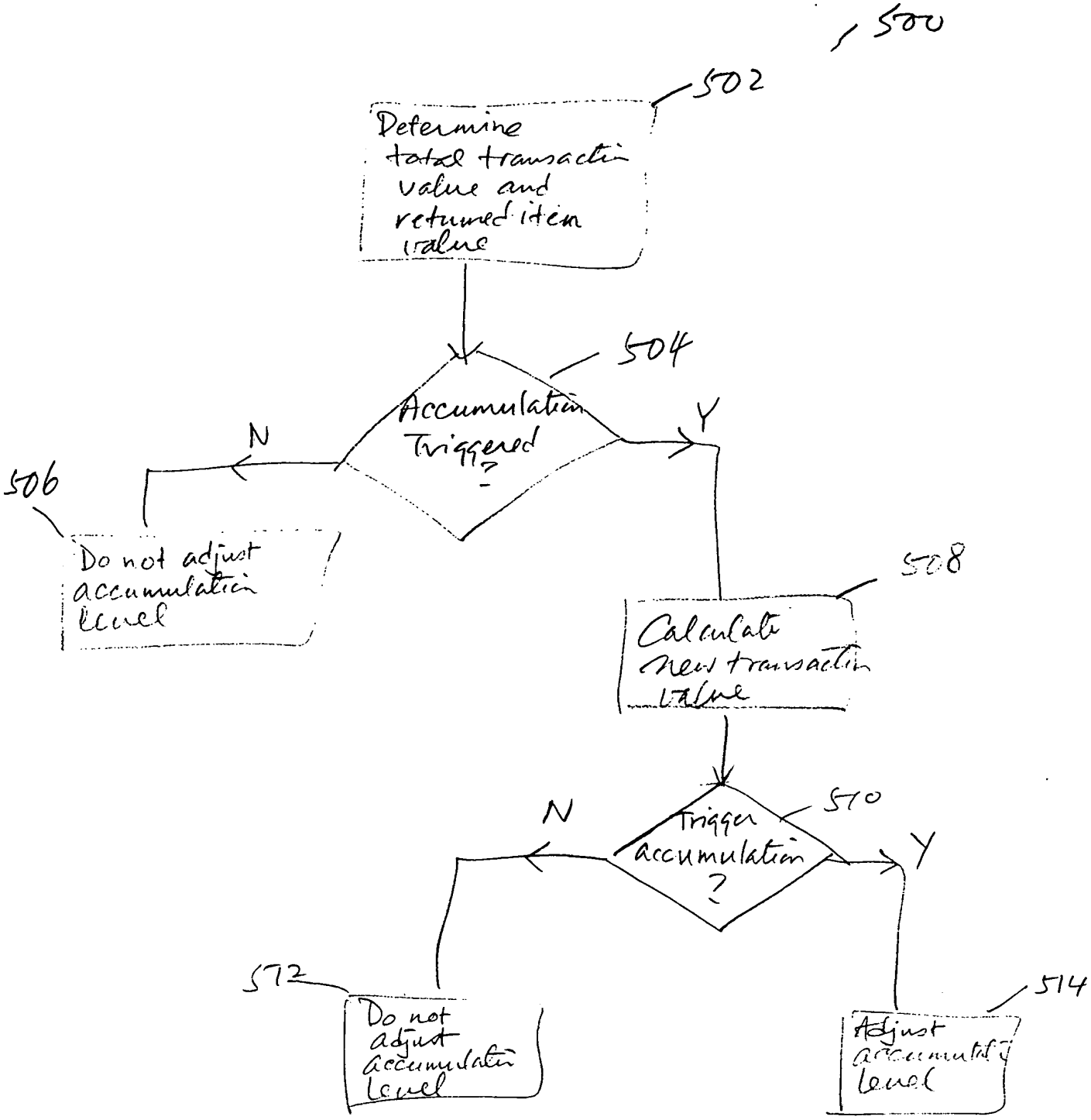

500
502
Determine total transaction value and returned item value
504
Accumulation Triggered?
N
Y
506
Do not adjust accumulation level
508
Calculate new transaction value
510
Trigger accumulation?
N
Y
512
Do not adjust accumulation level
514
Adjust accumulation level

FIG. 5

Figure 6

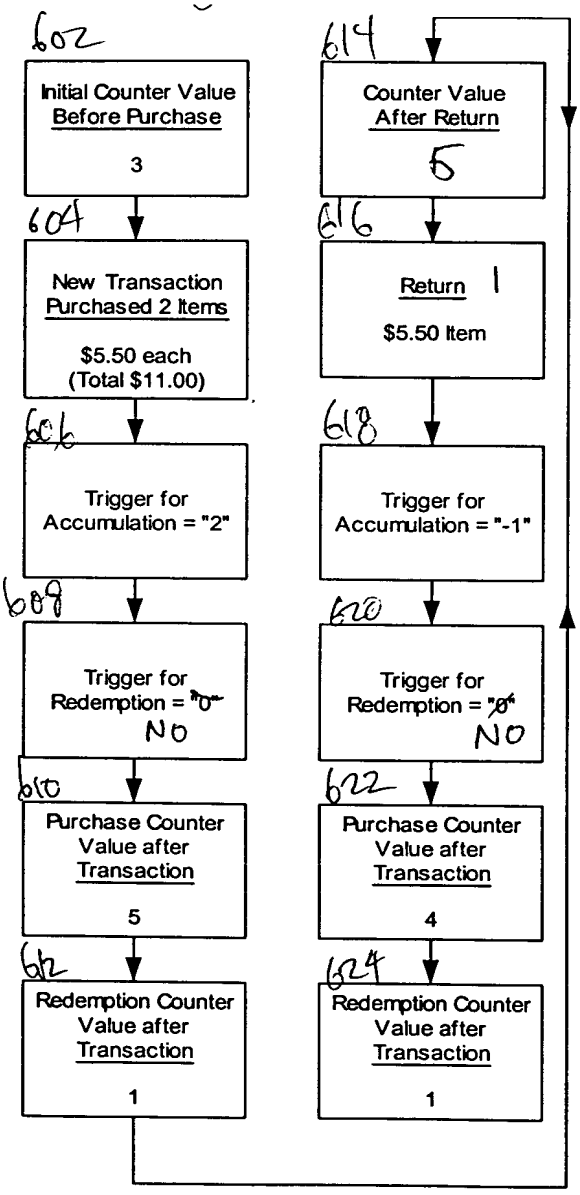

602
Initial Counter Value Before Purchase
3
604
New Transaction Purchased 2 Items
$5.50 each (Total $11.00)
606
Trigger for Accumulation = "2"
608
Trigger for Redemption = "0"
NO
610
Purchase Counter Value after Transaction
5
612
Redemption Counter Value after Transaction
1
614
Counter Value After Return
5
616
Return 1
$5.50 Item
618
Trigger for Accumulation = "-1"
620
Trigger for Redemption = "0"
NO
622
Purchase Counter Value after Transaction
4
624
Redemption Counter Value after Transaction
1

Figure 7

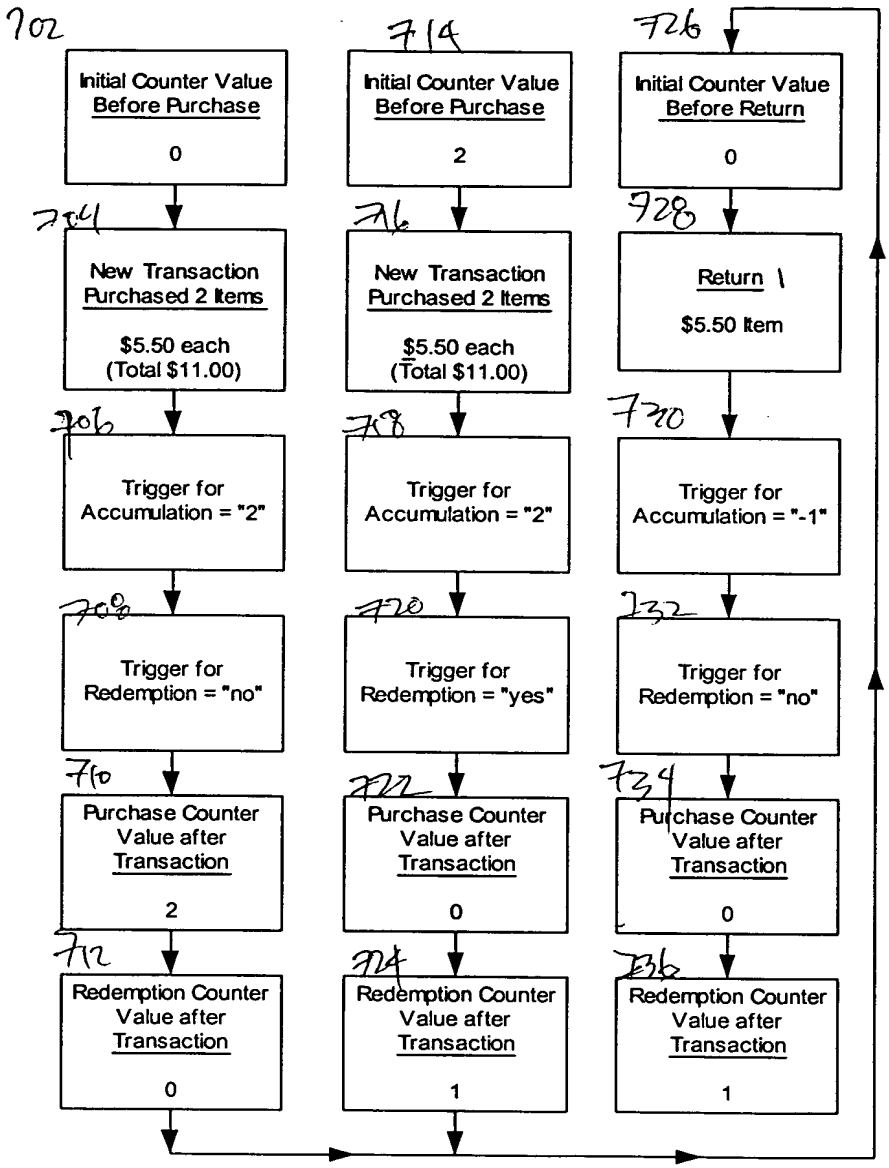

702
Initial Counter Value Before Purchase
0
704
New Transaction Purchased 2 Items
$5.50 each (Total $11.00)
706
Trigger for Accumulation = "2"
708
Trigger for Redemption = "no"
710
Purchase Counter Value after Transaction
2
712
Redemption Counter Value after Transaction
0
714
Initial Counter Value Before Purchase
2
716
New Transaction Purchased 2 Items
$5.50 each (Total $11.00)
718
Trigger for Accumulation = "2"
720
Trigger for Redemption = "yes"
722
Purchase Counter Value after Transaction
0
724
Redemption Counter Value after Transaction
1
726
Initial Counter Value Before Return
0
728
Return
$5.50 Item
730
Trigger for Accumulation = "-1"
732
Trigger for Redemption = "no"
734
Purchase Counter Value after Transaction
0
736
Redemption Counter Value after Transaction
1

Figure 8.

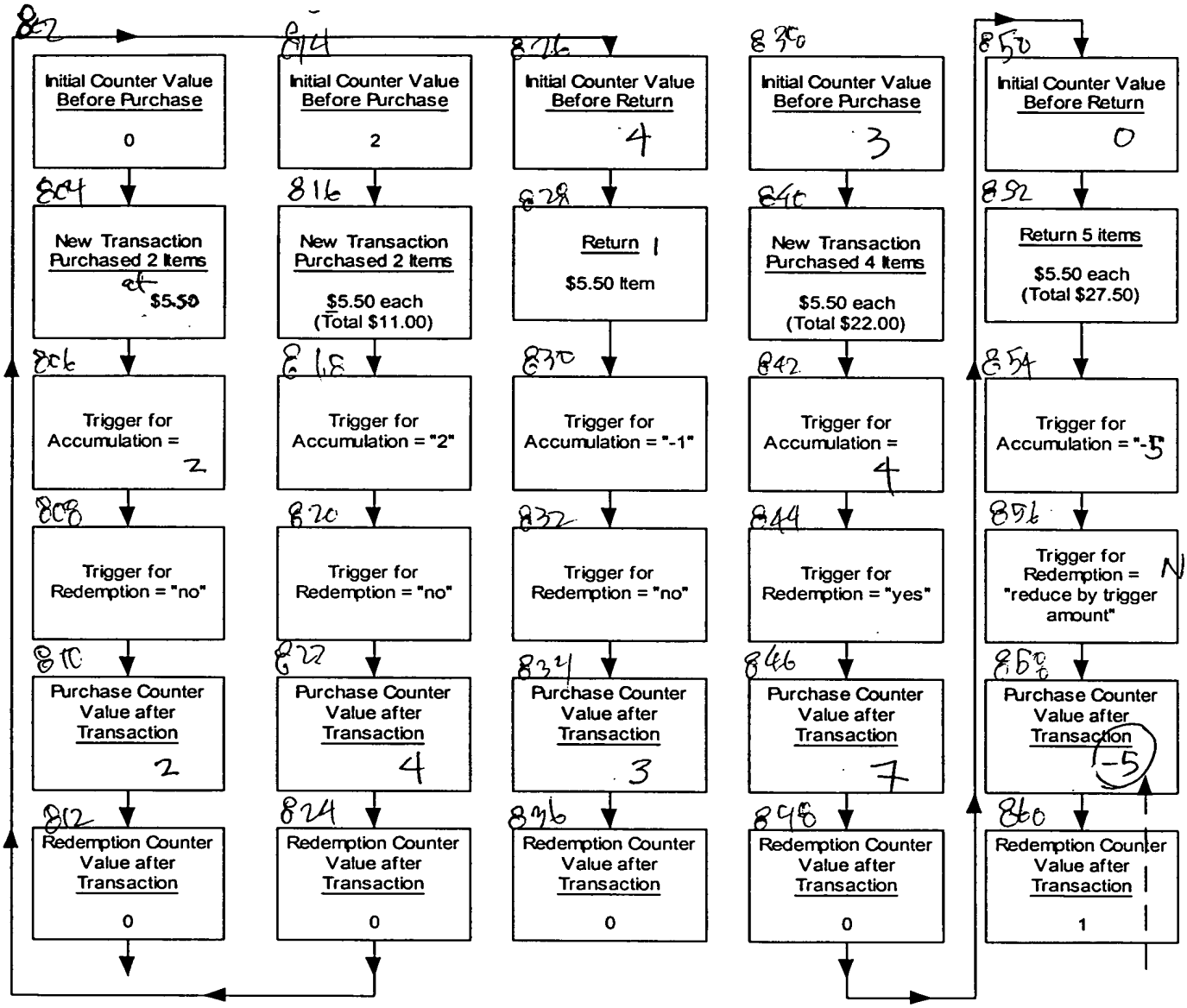

Initial Counter Value Before Purchase
0
New Transaction Purchased 2 Items
$5.50
Trigger for Accumulation = 2
Trigger for Redemption = "no"
Purchase Counter Value after Transaction
2
Redemption Counter Value after Transaction
0
Initial Counter Value Before Purchase
2
New Transaction Purchased 2 Items
$5.50 each
(Total $11.00)
Trigger for Accumulation = "2"
Trigger for Redemption = "no"
Purchase Counter Value after Transaction
4
Redemption Counter Value after Transaction
0
Initial Counter Value Before Return
4
Return 1
$5.50 Item
Trigger for Accumulation = "-1"
Trigger for Redemption = "no"
Purchase Counter Value after Transaction
3
Redemption Counter Value after Transaction
0
Initial Counter Value Before Purchase
3
New Transaction Purchased 4 Items
$5.50 each
(Total $22.00)
Trigger for Accumulation = 4
Trigger for Redemption = "yes"
Purchase Counter Value after Transaction
7
Redemption Counter Value after Transaction
0
Initial Counter Value Before Return
0
Return 5 items
$5.50 each
(Total $27.50)
Trigger for Accumulation = "-5"
Trigger for Redemption = "reduce by trigger amount"
Purchase Counter Value after Transaction
-5
Redemption Counter Value after Transaction
1

Figure 9

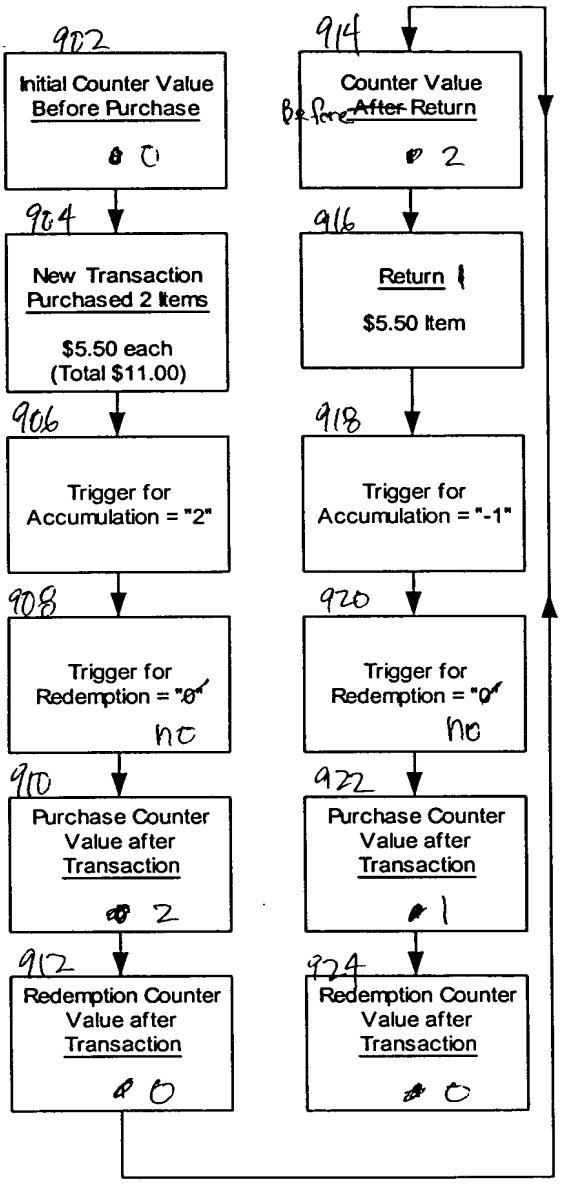

902
Initial Counter Value Before Purchase
0
904
New Transaction Purchased 2 Items
$5.50 each (Total $11.00)
906
Trigger for Accumulation = "2"
908
Trigger for Redemption = "0"
no
910
Purchase Counter Value after Transaction
2
912
Redemption Counter Value after Transaction
0
914
Counter Value Before After Return
2
916
Return 1
$5.50 Item
918
Trigger for Accumulation = "-1"
920
Trigger for Redemption = "0"
no
922
Purchase Counter Value after Transaction
1
924
Redemption Counter Value after Transaction
0

Figure 10

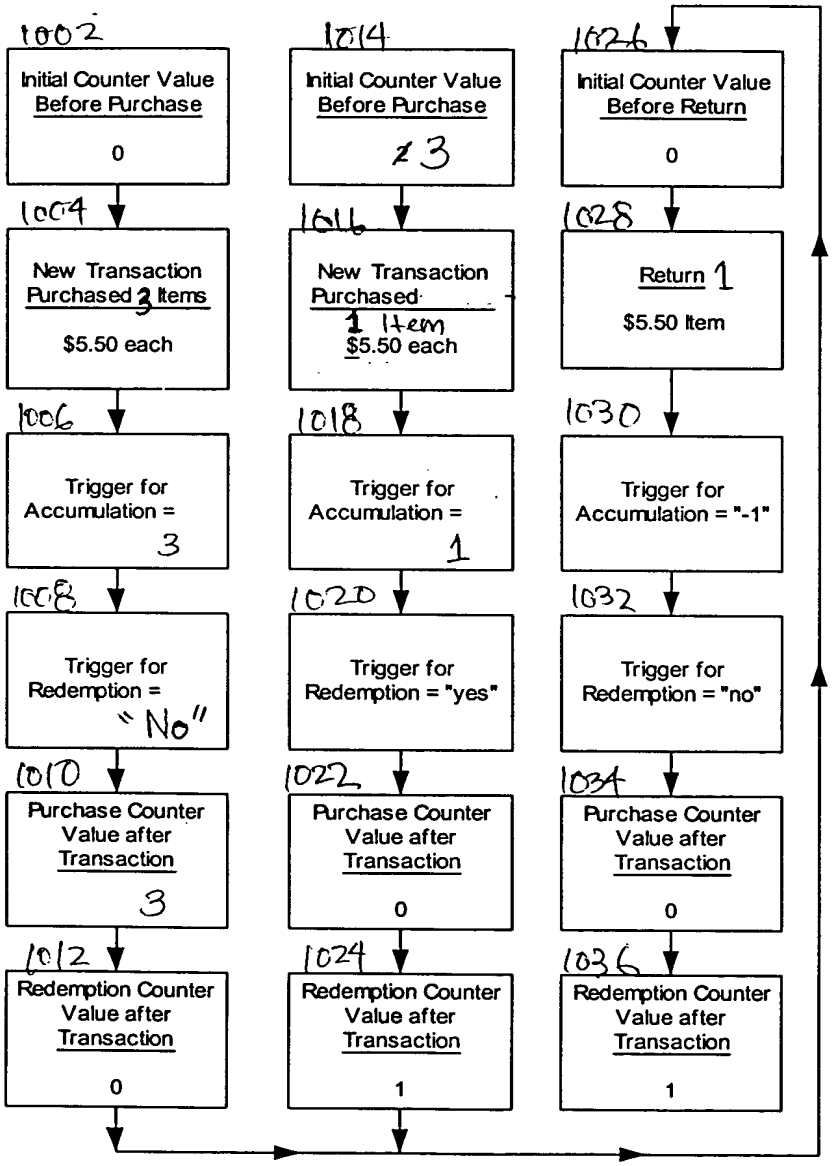
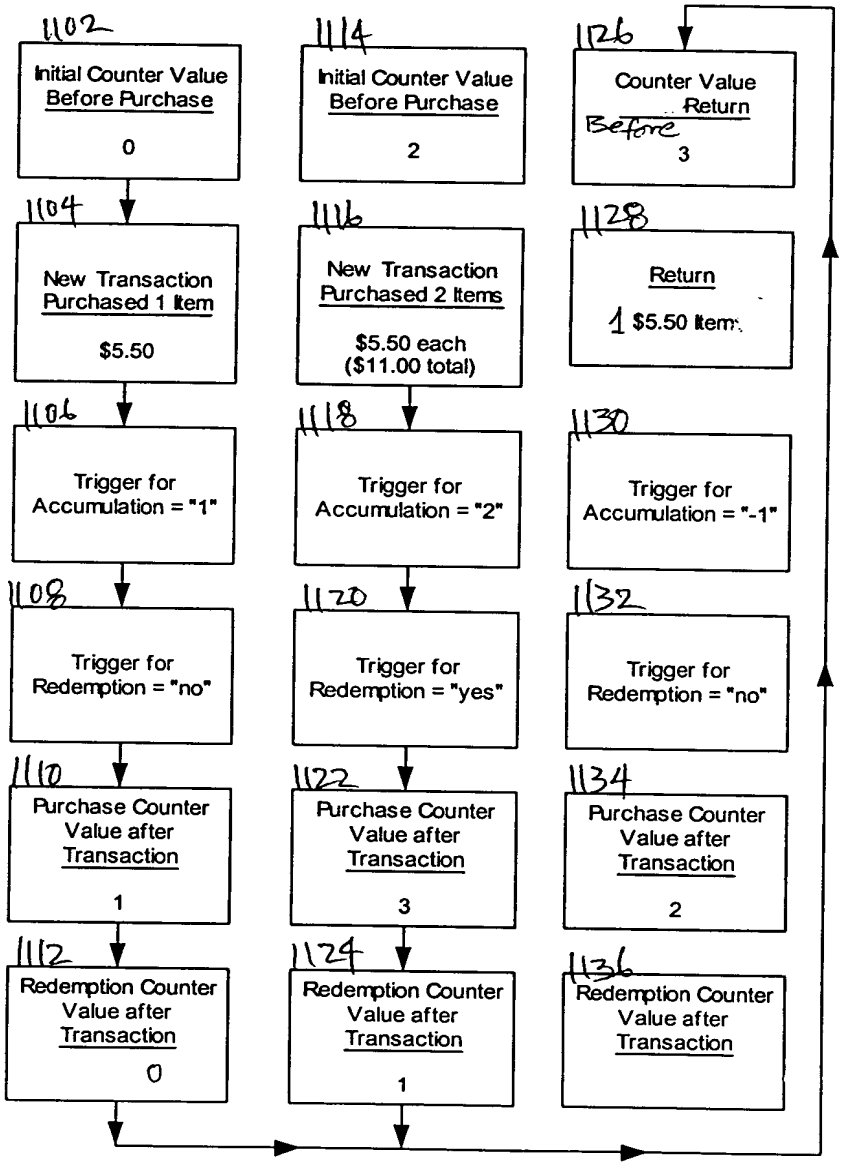

1002
Initial Counter Value Before Purchase
0
1004
New Transaction Purchased 3 Items
$5.50 each
1006
Trigger for Accumulation = 3
1008
Trigger for Redemption = "No"
1010
Purchase Counter Value after Transaction
3
1012
Redemption Counter Value after Transaction
0
1014
Initial Counter Value Before Purchase
3
1016
New Transaction Purchased 1 Item
$5.50 each
1018
Trigger for Accumulation = 1
1020
Trigger for Redemption = "yes"
1022
Purchase Counter Value after Transaction
0
1024
Redemption Counter Value after Transaction
1
1026
Initial Counter Value Before Return
0
1028
Return 1
$5.50 Item
1030
Trigger for Accumulation = "-1"
1032
Trigger for Redemption = "no"
1034
Purchase Counter Value after Transaction
0
1036
Redemption Counter Value after Transaction
1

Figure 11


1102
Initial Counter Value Before Purchase
0
1104
New Transaction Purchased 1 Item
$5.50
1106
Trigger for Accumulation = "1"
1108
Trigger for Redemption = "no"
1110
Purchase Counter Value after Transaction
1
1112
Redemption Counter Value after Transaction
0
1114
Initial Counter Value Before Purchase
2
1116
New Transaction Purchased 2 Items
$5.50 each ($11.00 total)
1118
Trigger for Accumulation = "2"
1120
Trigger for Redemption = "yes"
1122
Purchase Counter Value after Transaction
3
1124
Redemption Counter Value after Transaction
1
1126
Counter Value Before Return
3
1128
Return
1 $5.50 Item
1130
Trigger for Accumulation = "-1"
1132
Trigger for Redemption = "no"
1134
Purchase Counter Value after Transaction
2
1136
Redemption Counter Value after Transaction